CASSETTE CAR STEREO WITH FM/AM ELECTRONIC TUNER

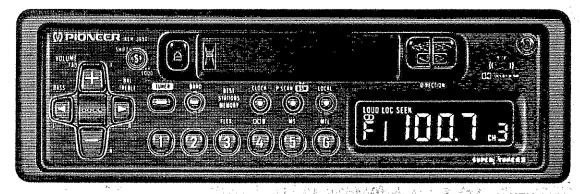


OWNER'S MANUAL

Thank you for purchasing this PIONEER product. Before attempting operation, be sure to read this manual.

Nous vous remercions d'avoir acheté cet appareil PIO-NEER. Avant de l'utilizer, prendre soin de lire ce manuel.

Muchas gracias por la adquisición de este producto PIONEER. Antes de tratar de operarlo, lea atentamente este manual.



(I) DIONEER:

ENGLISH

CONTENTS

Composition of Manual

This manual applies to the KEH-3650 and KEH-2650, KEH-1650. However, the illustrations show the KEH-3650. The KEH-2650 and KEH-1650 have following features which differ to the KEH-3650.

KEH-2650

- The music search function is not available.
- The Dolby B NR function is not available.
- The tape selector function is not available.
- The FLEX (Frequency Level Expander) function is not available.

KEH-1650

- The music search function is not available.
- The Dolby B NR function is not available.
- The tape selector function is not available.
- The FLEX (Frequency Level Expander) function is not available.
- Front panel is not removal.

FRANCAIS

TABLE DES MATIERES

Fig. 1 ~ Fig. 3	3
Précautions	10
Changement de l'atans de sunta l'atans d	19
Changement de l'étape de syntonisation	19
Connexion des Unités	20
mstallation	22
Utilisation de la façade amovible	~~
Réglage du volume et de le constitution de la const	25
Réglage du volume et de la tonalité	26
Offisation de la radio	27
Utilisation du lecteur de cassette	20
Itilisation de l'horlege	29
Utilisation de l'horloge	32
Spécifications	33

Composition du manuel

Ce manual s'applique aux KEH-3650 et KEH-2650, KEH-1650.

Toutefois les illustrations montrent le KEH-3650. Les KEH-2650 et KEH-1650 présentent les defférences suivantes par rapport au KEH-3650.

KEH-2650

- La fonction de recherche de musique n'est pas disponible.
- La fonction Dolby B NR n'est pas disponible.
- La fonction sélecteur de bande n'est pas disponible.
- La fonction FLEX (Expandeur de niveau de fréquence) n'est pas disponible.

KEH-1650

- La fonction de recherche de musique n'est pas disponible.
- La fonction Dolby B NR n'est pas disponible.
- La fonction sélecteur de bande n'est pas disponible.
- La fonction FLEX (Expandeur de niveau de fréquence) n'est pas disponible.
- Le façade n'est pas enlevé.

ESPAÑOL

ÍNDICE

Fig. 1 ~ Fig. 3	3
rrecaucionees	2/
Calibio de Dasos sintonia	2.4
Conexión de las unidades	., 34
Instalación	35
Instalación	37
Uso del panel frontal extraíble	40
Alasie de volumen vitono	41
wiodo de empleo de la radio	12
Mode de empleo del reproductor	
de cassettes	. 44
Osando el display de reloi	17
Especificaciones	. 48

Composición del manual

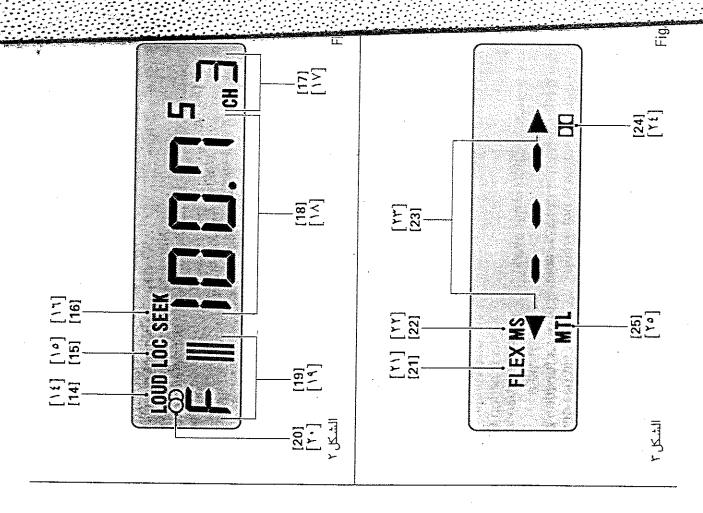
Este manual se aplicable a los modelos KEH-3650 y KEH-2650, KEH-1650. Sin embargo, las ilustraciones muestran el modelo KEH-3650. Los modelos KEH-2650 y KEH-1650 tinen las siguientes características que difieren modelo KEH-3650.

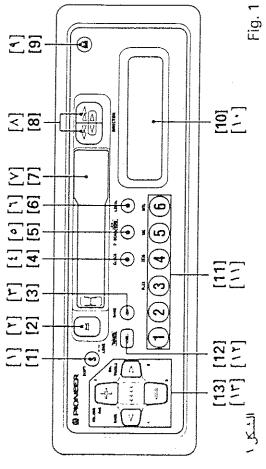
KEH-2650

- No se despone de la función de búsqueda de música.
- No se dispone de la función Dolby B NR.
- No se dispone de la función selector de cinta.
- No se dispone de la función FLEX (Expansor de nivel de frecuencia).

KEH-1650

- No se dispone de la función de búsqueda de música.
- · No se dispone de la función Dolby B NR.
- No se dispone de la función selector de cinta.
- No se dispone de la función FLEX (Expansor de nivel de frecuencia).
- El panel frontal no es desmontable.





Precaution

 If the car's battery is disconnected for any reason, the preset memory will be erased and must be reprogrammed after reconnection of the battery.

In case of trouble

When the unit does not operate properly, contact your dealer or the nearest authorized PIONEER Service Station. Never remove the top case of the unit to attempt check or repairs.

Changing the Tuning Steps

Parts Identification (Fig. 1)

- [11] ① Changing the FM tuning step button
 - ② Changing the AM tuning step button

Changing the AM Tuning Steps

The tuning steps of the AM band for this unit can be switched between 9 kHz and 10 kHz per step. The tuning step should be switched from 9 kHz (which is preset at the factory) to 10 kHz when this unit is used in North America, Central America, or South America.

- 1. Turn the ignition switch off.
- 2. While pressing the button ② of [11], turn the ignition switch on. It should be noted that changing the tuning steps also deletes frequencies stored in the tuning memories.

	Specifications	Initial setting	New setting
AM	Tuning steps	9 kHz steps	10 kHz steps
,,	Frequency range	531 — 1,602 kHz	530 — 1,710 kHz

Changing the FM Tuning Steps

The seek tuning steps of the FM band for this unit can be switched between 100 kHz and 50 kHz per step. (Initial setting 100 kHz) Change it as required.

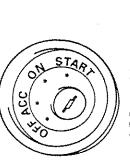
- 1. Turn the ignition switch off.
- 2. While pressing the button ① of [11], turn the ignition switch on.
- · If seek tuning is performed in 50 kHz steps, a frequency before a broadcasting station frequency may be received. Tune in the station by performing manual tuning or seek tuning again.

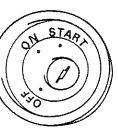
Connecting the Units

- battery and negative grounding. Before This unit is for vehicles with a 12-volt installing it in a recreational vehicle,
- truck, or bus, check the battery voltage. To avoid shorts in the electrical system,
 - be sure to disconnect the battery \ominus cable before beginning installation.
- nect the end of the cable to the negative have been completed correctly. Replace the removed car componets, then con-Check whether installation and wiring terminal of the battery.
 - power amp and other units, then make Refer to the owner's manual for details on connecting the various cords of the connections correctly.
- wrap adhesive tape around them where Secure the wiring with cable clamps or adhesive tape. To protect the wiring, they lie against metal parts.
- sulation of the wiring melts or gets torn, gear shift, handbrake, and seat rails. Do there is a danger of the wiring short-cir-Route and secure all wiring so it cannot such as near the heater outlet. If the innot route wiring in places that get hot, touch any moving parts, such as the cuiting to the vehicle body.

- the lead insulation can cause a very danconnect to the battery. This will damage Don't pass the orange lead through a hole into the engine compartment to gerous short.
- protection circuit may fail to work when Do not shorten any leads. If you do, the it should.
- Never feed power to other equipment by ply lead of the unit and tapping into the will be exceeded, causing over heating. cutting the insulation of the power suplead. The current capacity of the lead
 - only fuse of the rating prescribed on the When replacing fuses, be sure to use fuses holder.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right speaker 🖯 leads are common.
 - those noted here can damage the speak ohms. Connecting speakers with output high-power types possessing minimum rating of 22 W and impedance of 4 to 8 Speaker connected to this unit must be and/or impedance values other than

- with the auto-antenna, do not connect to with this system, be sure not to connect connection can make overcurrent cause the blue lead to the amp's power terminal. Likewise, when linking this system power terminal for the antenna. Such When the power amp is being linked malfunctions.
 - whose ignition switch does not have the the unit to the terminal controlled by the Fig. 5, be sure to connect the red lead of when you leave your vehicle for several gnition switch ON/OFF position. If you do not, the vehicle battery may go flat ACC (accessory) position as shown in When the unit is mounted in a vehicle





ACC position

No ACC position

Fig. 5

Fig. 4

Connection Diagram (Fig. 6)

- 1. Antenna jack
- 2. Rear out
- 3. White
- 4. Red
- 5. Connecting cords with RCA pin plugs (sold separetely)
- 6. Power amp (sold separetely)
- 7. Blue
- 8. Blue

To system control terminal of the power amp or Auto-antenna relay control terminal (Max.300mA 12VDC).

- 9. Black (ground)
 To vehicle (metal) body.
- Red
 To electric terminal controlled by ignition switch (12VDC) ON/OFF.
- 11. Orange
 To terminal always supplied with power regardless of ignition switch position.
- 12. Fuse resister
- 13. Fuse holder
- 14. With a 2 speaker system, connect to the 2 speakers in the front or the rear.
- 15. Use this for connections when you have the separately available amplifier.
- 16. Front/left speaker
- 17. Front/right speaker
- 18. Rear/left speaker
- 19. Rear/right speaker
- 20. Green
- 21. Gray
- 22. Green/black
- 23. Gray/black
- 24. Green/red
- 25. Gray/red
- 26. Black/green
- 27. Black/gray

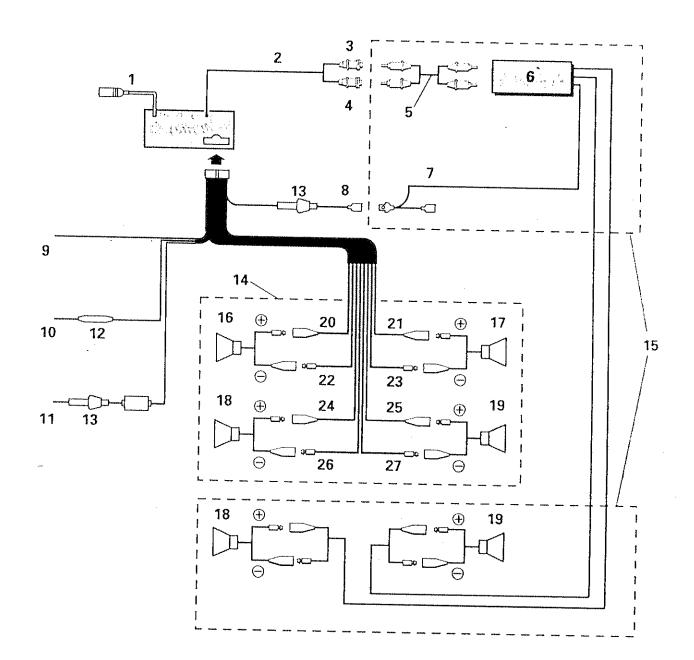
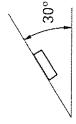


Fig. 6

Installation

Vote:

- Before finally installing the unit, connect the wiring temporarily and make sure it is all corrected up properly and the unit and the system work properly.
 - Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the drive's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- If installation angle exceeds 30° from horizontal, the unit might not give its optimum performance. (Fig. 7)



L 513

DIN Front/Rear-mount

This unit can be properly installed either from "front" (conventional DIN Frontmount) or "Rear" (DIN Rear-mount installation, utilizing threaded screw holes at the sides of unit chassis). For details, refer to the following illustrated installation methods.

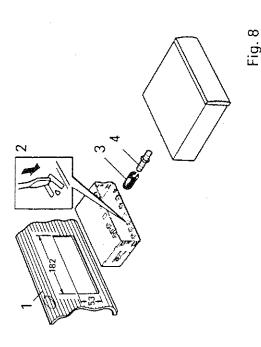
DIN Front-mount

Installation with the rubber bush (Fig. 8)

- 1. Dashboard
 - Holder

After inserting the holder into the dash-board, then select the appropriate tabs according to the thickness of the dash-board material and bend them.

- 3. Rubber bush
 - L. Screw



Removing the unit (Fig. 9) (Fig. 10)

- 5. Frame
- Insert the release pin into the hole in the bottom of the frame and pull out to remove the frame.
 (When reattaching the frame, point the side with a groove downwards and attach it.)
- 7. Lever
 Insert the levers supplied with the unit into the grooves at both sides of the unit as shown in Fig. 10 until they click.
 Pulling the levers makes it possible to remove the unit from the dashboard.

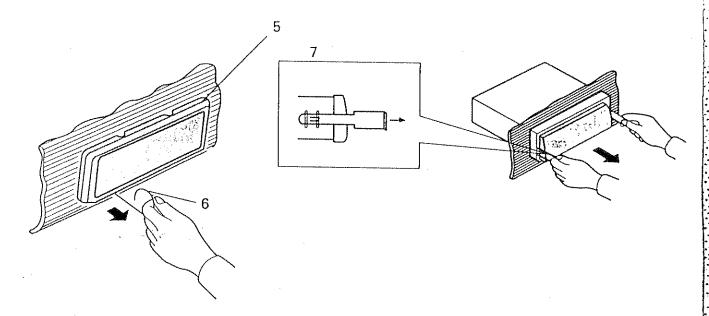


Fig. 9

Fig. 10

σ

DIN Rear-mount

Installation using the screw holes on the sides of the unit

1. Remove the frame. (Fig. 11)

Frame

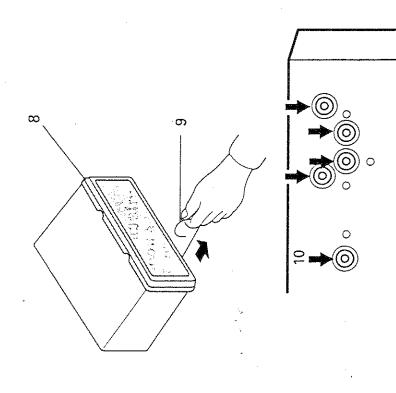
he bottom of the frame and pull out to nsert the release pin into the hole in remove the frame. ထ်တံ

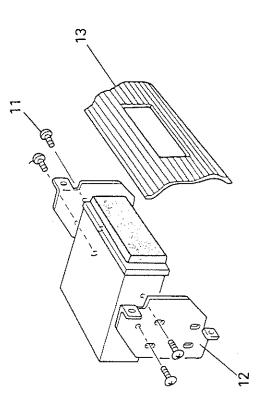
(When reattaching the frame, point the side with a groove downwards and atach it.)

2. Fastening the unit to the factory radio mounting bracket (Fig. 12)

10. Select a position where the screw holes ted), and tighten the screws at 2 places $(5 \times 9 \text{ mm})$, depending on the shape of the main unit become aligned (are fiton each side. Use either truss screws of the bracket and the screw holes of (5 x 8 mm) or flush surface screws the screw holes in the bracket.

Screw
 Factory radio mounting bracket
 Dashboard or Console





Dashboard or Console

Using the Removable Front Panel (KEH-3650, KEH-2650)

The front panel of this unit can be removed as a theft deterrent.

Parts Identification

Fig. 1

[2] Eject

[8] Fast forward, Rewind/Direction change

[9] Detach button

Detaching the Front Panel

1. Press button [9], and the right-hand side of the panel will eject.

2.To remove the front panel, pull its righthand side toward you. (Fig. 14)

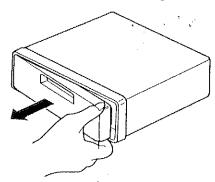


Fig. 14

 Take care not to put pressure on the display or drop the front panel.

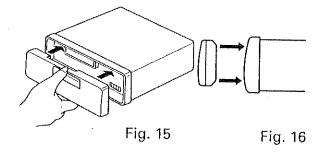
Optional Protective Case

A separately sold protective case is available for the detached front panel. This case is highly recommended to protect the front panel from shocks and scratches.

Replacing the Front Panel

Push the front panel into the main body. (Fig. 15) (Fig. 16)

 When replacing the front panel, do not put pressure on the display or control buttons.



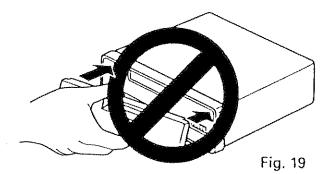
 Install the front panel holding it parallel to the main unit. Installing the panel tilted, as shown in the illustrations below, may cause the hook on the front panel to destroy the main unit's electrodes. (Fig. 17) (Fig. 18) (Fig. 19)





Fig. 17

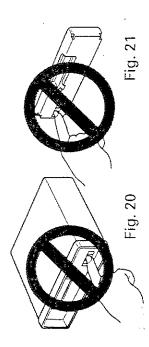
Fig. 18



- Do not install the front panel while holding down buttons [2], [8] and [9] in Fig. 1.
 Doing so may destroy the buttons and the main unit.
- Note that if the front panel is not attached correctly, pushing button [9] may not release the panel, and the other control buttons may not function.

Precautions

panel or on the unit body, since this may other foreign substances get on the conresult in poor electrical contact. If dirt or tacts, wipe them with a clean, dry cloth. Do not touch the contacts on the front (Fig. 20) (Fig. 21)



Precautions When Handling the Front Panel

- Do not leave the front panel in any area exposed to high temperatures or direct sunlight.
- Do not drop the front panel or otherwise subject it to strong impact.
- benzine, thinner, or insecticides to come into contact with the surface of the front Do not allow such volatile agents as
- Never try to disassemble the front panel.

Adjusting Volume and Tone

Parts Identification

1] Shift

2] Eject

7) Cassette door

10] Display

12] Radio power switch

13] Volume/Audio adjustment

14] Loudness

Switching Power On

Press button [12] to switch the tuner power on. Press button [12] again to switch the power off.

being played back. To eject the tape, press sette door [7], and the power will be autonsert the cassette tape through the casmatically turned on to get the tape start he button [2]

Mode Selection

Each press of button [1] changes the mode as follows:

Volume adjustment (V:) — Balance adjustment (F: /B:) — Tone adjustment (B: /T:)

bass or treble settings, the indicator will When you are adjusting fader, balance, stop at the center setting brifly.

 Balance adjustment and tone adjustment modes will be canceled after about 8 seconds.

Volume Adjustment

es the volume, while the (-) side decreases Pressing the (+) side of button [13] increas-

(Display shows "V: 0" ~ "V: 31".)

· When driving your vehicle, be sure to enough to allow you to hear sounds keep the volume of the unit set low coming from outside.

Balance Adjustment

Press button [1] to select balance adjustment mode.

fader using the (+) or (-) side of button [13]. To adjust the balance, press either the (◀) or (▶) side of button [13] to turn on "B: " "F: " appears on the display.) Adjust the and use the (▲) or (▼) side of the button.

Fader

When you press the (+) side of button [13], the front speaker volume increases gradually while the rear speaker volume decreases. When you press the (-) side the button, the rear speaker volume increases gradually while the front speaker volume decreases.

(Display shows "F: F9" ~ "F: R9".)

 Please set "F: 0" when using 2 speaker system.

Balance

Pressing the (◄) side of button [13] shifts the balance to the left speaker, while the (►) side shifts it to the right speaker. (Display shows "B: L9" ~ "B: R9".)

Tone Adjustment

Press button [1] to select tone adjustment mode. ("B: " appears.) Select the tone you wish to adjust using the (◄) or (►) side of button [13]. Pressing the (►) side boosts the T: (Treble) pressing the (◄) side boosts the B: (Bass).

Bass Adjustment

Select the Bass mode. Pressing the (+) side of button [13] increases bass, while the (-) side decreases bass. (Display shows "B: -6" ~ "B: 6".)

Treble Adjustment

Select Treble adjustment mode.

Pressing the (+) side of button [13] increases treble, while the (-) side decreases treble.

(Display shows "T: -6" ~ "T: 6".)

Loudness Select

This "loudness" function enhances both the high and low ranges of sound to give even more power to output even at low volume.

Hold down the button [1] for more than 2 seconds, the loudness function turns on. (The "LOUD" [14] indicator appears on the display [10].)

Hold down the button [1] again for more than 2 seconds, the loudness function turns off.

Using the Radio

Parts Identification

Fig. 1

- [3] Band
- [5] Present scan/Best Stations Memory (BSM)
- [6] Local station
- [10] Display
- [11] Preset
- [12] Radio power switch
- [13] Tuning/Local seek sensitivity/Seek, Manual

Fig. 2

- [15] Local station
- [16] Seek
- [17] Preset number
- [18] Frequency
- [19] Band
- [20] FM stereo

Listening to the Radio

- 1. Press button [12] to switch the radio power on.
- 2. Press button [3] to select a band.

(FM1) (FM2) (FM3) (AM)

- matically tune in the next higher receivable 3.Use seek tuning to tune in a frequency. Press the (►) side of button [13] to autorequency, and the (*) side for a lower frequency.
- 5. Assign the tuned frequency to one of the 4. Adjust volume and tone (see page 11)
- when the preset number [17] stops flashing on the display. Up to 18 FM stations (6 FM1 Press and hold down one of the buttons in quency is assigned to the selected button tions), and 6 AM stations can be assigned buttons in Bank [11] (preset memory). Bank [11] for at least 2 seconds. The frestations, 6 FM2 stations and 6 FM3 stato the preset memory.
 - 6. Once a frequency is assigned to a button in Bank [11], you just need to press that button to tune it in.

This also causes the number of the button pressed to appear at position [17] on the

Adjusting Seek Sensitivity

tuning sensitivity levels for FM and 2 levels The seek tuning function of this tuner lets stations. The local setting also has 4 seek seption of strong stations only, and a DX ou select between a local setting for redistant) setting for reception of weaker or AM to match local conditions.

Changing the Local Seek Sensitivity

- seconds, and the display will show you 2. Hold down button [6] for more than 2 the current local seek sensitivity for 1. Use button [3] to select a band. about 5 seconds.
- on the display, press the 💌 side of butand the (◄) side to decrease the level as ton [13] to increase the sensitivity level, 3. While the local seek sensitivity remains shown below: FM : L-1 \equiv L-2 \equiv L-3 \equiv L-4

AM: L-1 = L-2

tings let you receive progressively weak-The L-4 setting allows reception of only the strongest stations, while lower seter stations.

seconds have elapsed after the change of returns to the frequency when about 5 The display of local seek sensitivity

Switching between Local and DX (distant) When "LOC" [15] is shown on the display, seek sensitivity. Otherwise, seek tuning is Press button [6] to switch between Local seek tuning is performed with the local performed with the DX seek sensitivity. and DX (distant) seek tuning.

Manual Tuning

Use manual tuning when stations are too 1. Press both (*) and (*) sides of button [13] at the same time to clear "SEEK" weak to be picked up by seek tuning.

- creases the frequency. Holding down ei-2. Each press of the (💌) side of button [13] her side of button [13] changes the freincreases the frequency in 50 kHz steps Pressing the (◄) side of button [13] dein the FM band, 9 kHz in the AM band. quency at high speed.
- steps after the tuning steps are changed. AM frequencies are turned in 10 kHz

BSM (Best Stations Memory)

This function automatically locates stronger stations and automatically assigns their frequencies to the buttons in Bank [11], from strongest to weakest. It comes in handy when trying to find local stations while driving.

- 1. Press button [3] and select a band.
- 2. Holding down button [5] for about 2 seconds will start BSM search. At this time, "---" will flash on the display.
- 3. The frequency display will return once BSM search is complete, and frequencies are assigned to preset buttons.
- You can cancel BSM search by pressing button [5] again.
- If there are fewer than 6 strong stations in the area, some of the preset buttons will not be assigned frequencies, so they will retain any frequencies assigned to them previously.
- BSM search may take as long as 30 seconds in areas where there are few strong stations.

Preset Scan Tuning

This function lets you automatically monitor the stations assigned to the preset buttons.

- 1.Press the button [5], and the preset number [17] will flash.Each station assigned to the preset buttons will be automatically tuned in for about 8 seconds.
- 2. When you hear a station that you like, press button [5] again to cancel preset scan tuning and remain at that station.

Using the Tape Deck

Parts Identification

Fig. 1

[2] Eject

[7] Cassette door

[8] Fast forward, Rewind/Direction change [10] Display

[11] ③ FLEX (Frequency Level Expander) (KEH-3650)

4 Dolby B NR (KEH-3650)

(5) Music search (KEH-3650)

6 Metal (KEH-3650)

Fig. 3

[21] FLEX (Frequency Level Expander) (KEH-3650)

[22] Music search (KEH-3650)

[23] Direction

[24] Dolby B NR (KEH-3650)

[25] Metal (KEH-3650)

About Cassette Tapes

- Do not use tapes longer than C-90-type (90 min.) cassettes. Longer tapes can interfere with tape transport.
- A loose or warped label on a cassette tape may interfere with the eject mechanism of the unit or cause the cassette to become jammed in the unit. Avoid using such tapes or remove such labels from the cassette before attempting use.

can distort them and subsequently interoosed to sunlight or high temperatures Storing cassettes in areas directly exfere with tape transport. (Fig. 22)

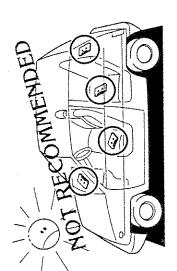
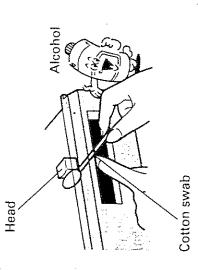


Fig. 22

Store unused tapes in a tape case where there is no danger of them becoming loose or being exposed to dust.

Cleaning the Head

If the playback head becomes dirty, sound twice a month) clean the head with a cotquality will suffer. Periodically (once or ton swab soaked with alcohol. (Fig. 23)



istening to a Tape

[7], power will be turned on and the tape 1.By inserting the cassette tape into slot will begin to play.

At this time, the tape running direction indicator [23] will light up to your satisfac-

2. Adjust volume and tone (see page 11).

 Do not try to eject the cassette immediately after insertion, as it may result in 3.To eject the cassette, press button [2]. malfunction. Wait a few seconds.

ing wow and flutter during tape playback. the unit can deform the pinch roller caus-Be sure to eject the tape when the front panel is removed, or the vehicle's ignition is turned OFF. Leaving the tape in

aid of a pencil and unevenly wound tapes Loose tapes should be rewound with the rewound with the use of the fast forward function.

Changing Program

8] together to switch from one side of the ape to the other (from Side A to Side B or Push the fast forward and rewind buttons /ice versa).

Dolby B NR (KEH-3650)

system, press button ⓐ of Bank [11]. ("□□" To hear a tape recorded using a Dolby NR [24] appears.)

 Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

trademarks of Dolby Laboratories Licensing "DOLBY" and the double-D symbol (X) are Corporation.

Tape Selector (KEH-3650)

When using metal tapes and chrome tapes, press button (6) of Bank [11]. ("MTL" [25] appears.)

Since the transport can be in either direc-Using Fast Forward and Rewind

tion, both the left and right high-speed tape

transport buttons [8] can be regarded as ast forward/rewind buttons.

ransport button [8] that corresponds to the For fast forward, press the high-speed tape reached, playback will automatically begin indicator [23]. When the end of the tape is from the opposite side of the tape (Autodirection that is shown by the direction reverse).

the tape is reached, playback will automatiopposite that of the direction shown by the cally begin from the beginning of the same direction indicator [23]. When the end of For rewind, press the button [8] that is side of the tape (Auto-replay).

ightly press button [8] located on the opposite side of the one you pressed to fast When you release fast forward/rewind, forward or rewind,

" *--- " will flash when the tape is fast forwarding or rewinding.

Using Music Search (KEH-3650)

Returning to the beginning of selection A
Press button ⑤ of Bank [11] ("MS" [22] appears) and then the high-speed tape transport button [8] for the direction opposite that is shown by the direction indicator [23]. Playback will automatically start from the beginning of selection A.

Moving from selection A to selection B
Press button ⑤ of Bank [11] ("MS" [22] appears) and then the high-speed tape transport button [8] that corresponds to the direction shown by the direction indicator [23]. Playback will automatically start from the beginning of selection B.

To enable regular fast forward/rewind operations, press the button ⑤ of Bank [11] again ("MS" [22] turns off) to turn the function OFF.

The following errors will cause the music search function to operate improperly, even though the unit is not malfunctioning. (Fig. 24)

- Unrecorded "blank" portions between selections less than 4 seconds → the blank portion cannot be detected by the unit.
- Pauses in recorded conversations longer than 4 seconds — the unit reads these as blanks between selections.
- Portions recorded at very low volume for more than 4 seconds — the unit reads these as blanks between selections.

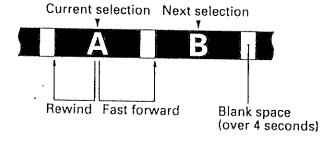


Fig. 24

FLEX (Frequency Level Expander) (KEH-3650)

If the high-frequency performance is poor when playing back an old or poorly record ed cassette, you can improve it by pressin button ③ in bank [11]. ("FLEX" [21] appears.)

 This function may have little effect on a cassette offering good sound quality—fo instance, one recorded from compact disc.

Using the Clock Display

Parts Identification

Fig. 1

4] Clock

10] Display 11] ① Hour adjustment

(2) Minute adjustment

Displaying the Time

The clock is displayed while button [4] is depressed. Press button [4] again to turn off the clock display.

- The clock display can be used only when the main unit is in operation.
- When the clock display is ON, pressing other buttons will release the clock display. The display will be restored approximately 25 seconds after the button operation has been completed.

Adjusting the Time

Adjusting Hours

While holding down button [4], Press button ① in bank [11], to adjust the hour setting of the clock. Each press button ①, advances the hour setting by one hour, and holding it down advances the setting at high speed.

Adjusting the Minutes

While holding down button [4], Press button ②, in bank [11] to adjust the minute setting of the clock. Each press button ②, advances the minute setting by one minute, and holding it down advances the setting at high speed.

Specifications

$\begin{array}{llllllllllllllllllllllllllllllllllll$
Amplifier Continuous power output is 10 W per channel min. into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD. Maximum power output
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Tape player Compact cassette tape (C-30 — C-90) Tape speed 4.8 cm/sec. Fast forward/rewind time Approx. 100 sec. for C-60 Wow & flutter 0.13 % (WRMS) Frequency response (KEH-3650) Metal: 40 – 17,000 Hz (±3 dB) (KEH-2650, KEH-1650) 40 – 14,000 Hz (±3 dB) Stereo separation 45 dB Signal-noise ratio KEH-3650) Metal:Dolby B NR IN: 63 dB (IEC-A network) Dolby NR OUT: 55 dB (IEC-A network) (KEH-2650, KEH-1650) 52 dB (IEC-A network)

FM tuner Frequency range	f (1.0μV/75Ω, mono, S/N: 30 dB) 16 dBf (1.7μV/75Ω, mono) 70 dB (IEC-A network)0.3% (at 65 dBf, 1 kHz, stereo)30 — 15,000 Hz (±3 dB)
AM tuner	
Frequency range	531 — 1,602 kHz (9 kHz)
Hanhla nomnisti de .	530 — 1,710 kHz (10 kHz)
Usable sensitivity	18μV (25 dB) (S/N: 20 dB)
Selectivity	50 dB (±10 kHz)

Note:

Specifications and the design are subject to possible modification without notice due to improvements.